

**United States Patent** [19]  
**Yoon**

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[54] **WOUND CLOSING DEVICE**

[76] **Inventor:** InBae Yoon, 2101 Highland Ridge Dr., Phoenix, Md. 21131

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**Related U.S. Application Data**

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[52] **U.S. Cl.:** ..... 606/216; 606/213

[58] **Field of Search** ..... 606/213, 214, 215, 216, 606/220, 221

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

3,487,836	1/1970	Niebel et al. .	
3,825,010	7/1976	McDonald .....	606/216
4,430,998	2/1984	Harvey et al. ....	606/216
4,526,173	7/1985	Sheehan .....	606/216
4,539,990	9/1985	Stivala .	
4,637,380	1/1987	Orejola .....	606/216

4,676,245 6/1987 Fukuda ..... 606/216  
4,702,251 10/1987 Sheehan .

*Primary Examiner*—Stephen C. Pellegrino  
*Assistant Examiner*—Gary Jackson

[57] **ABSTRACT**

A wound closing device includes a body having first and second arms interconnected to allow relative angular movement therebetween, and at least one skin-engaging member carried by each arm the body having a closed position where free ends of the skin-engaging members are moved toward each other to penetrate skin surround the wound. The wound closing device can be integrally formed from a strip of bendable material to urge the arms to the closed position, and the arms are movable to an open position to space the free ends of the skin-engaging members to span the wound. The skin-engaging members can be hollow to introduce medication into a wound and can have various configurations, spacing and dimensions dependent upon the wound to be closed.

**43 Claims, 3 Drawing Sheets**

